

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G/A

INFORMATION TO BE INCLUDED IN STATEMENTS PURSUANT TO RULES 13d-1(b),(c) AND (d) AND
AMENDMENTS THERETO FILED PURSUANT TO 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934*

(Amendment No. 2)

Deciphera Pharmaceuticals, Inc.
(Name of Issuer)

Common Stock, \$0.01 par value per share
(Title of Class of Securities)

24344T101
(CUSIP Number)

December 31, 2018
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1

NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Viking Global Investors LP

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON

PN

1

NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Viking Global Opportunities GP LLC

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON

OO

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Viking Global Opportunities Portfolio GP LLC		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0	
	6	SHARED VOTING POWER 0	
	7	SOLE DISPOSITIVE POWER 0	
	8	SHARED DISPOSITIVE POWER 0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0%		
12	TYPE OF REPORTING PERSON OO		

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Viking Global Opportunities Liquid Portfolio Sub-Master LP		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0	
	6	SHARED VOTING POWER 0	
	7	SOLE DISPOSITIVE POWER 0	
	8	SHARED DISPOSITIVE POWER 0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0%		
12	TYPE OF REPORTING PERSON PN		

1

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Viking Global Opportunities Illiquid Investments Sub-Master LP

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON*

PN

1

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

Viking Global Opportunities Intermediate LP

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON*

PN

1

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

DRAGSA 14 LLC

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON*

OO

1

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

O. Andreas Halvorsen

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

Norway

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON*

IN

1

NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY)

David C. Ott

2

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) (b)

3

SEC USE ONLY

4

CITIZENSHIP OR PLACE OF ORGANIZATION

United States

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

5

SOLE VOTING POWER

0

6

SHARED VOTING POWER

0

7

SOLE DISPOSITIVE POWER

0

8

SHARED DISPOSITIVE POWER

0

9

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

0

10

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

11

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

0%

12

TYPE OF REPORTING PERSON*

IN

1	NAME OF REPORTING PERSON I.R.S. IDENTIFICATION NO. OF ABOVE PERSON (ENTITIES ONLY) Rose S. Shabet		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0	
	6	SHARED VOTING POWER 0	
	7	SOLE DISPOSITIVE POWER 0	
	8	SHARED DISPOSITIVE POWER 0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0%		
12	TYPE OF REPORTING PERSON* IN		

Item 1(a). Name of Issuer:

Deciphera Pharmaceuticals, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices:

500 Totten Pond Road
Waltham, Massachusetts 02451

Item 2(a). Name of Person Filing:

Viking Global Investors LP ("VGI"),
Viking Global Opportunities GP LLC ("Opportunities GP"),
Viking Global Opportunities Portfolio GP LLC ("Opportunities Portfolio GP"),
Viking Global Opportunities Liquid Portfolio Sub-Master LP ("VGOL"),
Viking Global Opportunities Illiquid Investments Sub-Master LP ("VGOP"),
Viking Global Opportunities Intermediate LP ("Opportunities Intermediate"),
DRAGSA 14 LLC ("DRAGSA"),
O. Andreas Halvorsen, David C. Ott and Rose S. Shabet (collectively, the "Reporting Persons")

Items 2(b). Address of Principal Business Office or, if none, Residence:

The business address of each of the Reporting Persons is: 55 Railroad Avenue, Greenwich, Connecticut 06830.

Items 2(c). Citizenship:

VGI is a Delaware limited partnership; Opportunities GP, Opportunities Portfolio GP and DRAGSA are Delaware limited liability companies; VGOL, VGOP and Opportunities Intermediate are Cayman Islands exempted limited partnerships. O. Andreas Halvorsen is a citizen of Norway. David C. Ott and Rose S. Shabet are citizens of United States.

Item 2(d). Titles of Classes of Securities:

Common Stock, \$0.01 par value per share ("Common Stock")

Item 2(e). CUSIP NUMBER: 24344T101

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

- (a) Broker or dealer registered under Section 15 of the Exchange Act
 - (b) Bank as defined in Section 3(a)(6) of the Exchange Act
 - (c) Insurance company as defined in Section 3(a)(19) of the Exchange Act
-

- (d) Investment company registered under Section 8 of the Investment Company Act of 1940
- (e) Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940: see Rule 13d-1(b)(1)(ii)(E)
- (f) Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F)
- (g) Parent holding company, in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h) Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) Church Plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940.
- (j) Non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k) Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

A. VGI

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

VGI provides managerial services to VGOL, VGOP, Opportunities Intermediate and DRAGSA. VGI has the authority to dispose of and vote the shares of Common Stock. VGI does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the "Act"), VGI may be deemed to beneficially own the shares of Common Stock directly held by VGOL, VGOP, Opportunities Intermediate and DRAGSA.

B. Opportunities GP

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

Opportunities GP serves as the sole member of Opportunities Portfolio GP and has the authority to dispose of and vote the shares of Common Stock controlled by Opportunities Portfolio GP, which consists of the shares of Common Stock directly held by VGOL and VGOP. Opportunities GP serves as the general partner of Opportunities Intermediate and has the authority to dispose of and vote the shares of Common Stock directly owned by Opportunities Intermediate. Opportunities GP also serves as the general partner of Viking Global Opportunities LP (a Delaware limited partnership) which wholly owns DRAGSA, and thus has the authority to dispose of and vote the shares of Common Stock directly held by DRAGSA. Opportunities GP does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, Opportunities GP may be deemed to beneficially own the shares of Common Stock directly held by VGOL, VGOP, Opportunities Intermediate and DRAGSA.

C. Opportunities Portfolio GP

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

Opportunities Portfolio GP serves as the general partner of VGOL and VGOP and has the authority to dispose of and vote the shares of Common Stock directly owned by VGOL and VGOP. Opportunities Portfolio GP does not directly own any shares of Common Stock.

Based on Rule 13d-3 of the Act, Opportunities Portfolio GP may be deemed to beneficially own the shares of Common Stock directly held by VGOL and VGOP.

D. VGOL

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

VGOL has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, Opportunities Portfolio GP, and by VGI, an affiliate of Opportunities Portfolio GP, which provides managerial services to VGOL. Viking Global Opportunities LP (a Delaware limited partnership) and Viking Global Opportunities III LP (a Cayman Islands exempted limited partnership), through its investment in Viking Global Opportunities Intermediate LP (a Cayman Islands exempted limited partnership), invest substantially all of their assets in Viking Global Opportunities Master LP (a Cayman Islands exempted limited partnership), which in turn invests through VGOL.

E. VGOP

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

VGOP has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, Opportunities Portfolio GP, and by VGI, an affiliate of Opportunities Portfolio GP, which provides managerial services to VGOP. Viking Global Opportunities LP (a Delaware limited partnership) and Viking Global Opportunities III LP (a Cayman Islands exempted limited partnership), through its investment in Viking Global Opportunities Intermediate LP (a Cayman

Islands exempted limited partnership), invest substantially all of their assets in Viking Global Opportunities Master LP (a Cayman Islands exempted limited partnership), which in turn invests through VGOP.

F. Opportunities Intermediate

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

Opportunities Intermediate has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its general partner, Opportunities GP, and by VGI, an affiliate of Opportunities GP, which provides managerial services to VGOL and VGOP. Viking Global Opportunities III LP (a Cayman Islands exempted limited partnership) invests substantially all of its assets through Opportunities Intermediate.

G. DRAGSA

- (a) Amount beneficially owned: 0
- (b) Percent of Class: 0%
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: 0
 - (ii) Shared power to vote or to direct the vote: 0
 - (iii) Sole power to dispose or to direct the disposition of: 0
 - (iv) Shared power to dispose or to direct the disposition of: 0

DRAGSA has the authority to dispose of and vote the shares of Common Stock directly owned by it, which power may be exercised by its non-member manager, VGI, and by Opportunities GP, the general partner of Viking Global Opportunities LP, which wholly owns DRAGSA.

H. O. Andreas Halvorsen, David C. Ott and Rose S. Shabet

- (a) Amount beneficially owned: 0
 - (b) Percent of Class: 0%
 - (c) Number of shares as to which such person has:
-

- (i) Sole power to vote or to direct the vote: 0
- (ii) Shared power to vote or to direct the vote: 0
- (iii) Sole power to dispose or to direct the disposition of: 0
- (iv) Shared power to dispose or to direct the disposition of: 0

Mr. Halvorsen, Mr. Ott and Ms. Shabet, as Executive Committee Members of Viking Global Partners LLC, general partner of VGI and Opportunities GP have shared authority to dispose of and vote the shares of Common Stock beneficially owned by VGI and Opportunities GP. None of Mr. Halvorsen, Mr. Ott and Ms. Shabet directly owns any shares of Common Stock.

Based on Rule 13d-3 of the Act, each may be deemed to beneficially own the shares of Common Stock directly held by VGOL, VGOP, Opportunities Intermediate and DRAGSA.

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable

Item 10. Certification. (if filing pursuant to Rule 13d-1(c))

By signing below each Reporting Person certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURES

After reasonable inquiry and to the best of our knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated: January 10, 2019

/s/ O. ANDREAS HALVORSEN

By: O. Andreas Halvorsen - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on
behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING
GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL
OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL
OPPORTUNITIES INTERMEDIATE LP.

/s/ DAVID C. OTT

By: David C. Ott - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on
behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING
GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL
OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL
OPPORTUNITIES INTERMEDIATE LP.

/s/ ROSE S. SHABET

By: Rose S. Shabet - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on
behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING
GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL
OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL
OPPORTUNITIES INTERMEDIATE LP.

EXHIBIT A - JOINT FILING AGREEMENT

This joint filing agreement is made and entered into as of this 10th day of January, 2019, by and among Viking Global Investors LP, Viking Global Opportunities GP LLC, Viking Global Opportunities Portfolio GP LLC, Viking Global Opportunities Liquid Portfolio Sub-Master LP, Viking Global Opportunities Illiquid Investments Sub-Master LP, Viking Global Opportunities Intermediate LP, DRAGSA 14 LLC, O. Andreas Halvorsen, David C. Ott and Rose S. Shabet.

The parties hereby agree to jointly prepare and file a Schedule 13G with respect to Deciphera Pharmaceuticals, Inc., as well as any amendments thereto, pursuant to the Securities Exchange Act of 1934, as amended.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first set forth above.

Dated: January 10, 2019

/s/ O. ANDREAS HALVORSEN

By: O. Andreas Halvorsen - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL OPPORTUNITIES INTERMEDIATE LP.

/s/ DAVID C. OTT

By: David C. Ott - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL OPPORTUNITIES INTERMEDIATE LP.

/s/ ROSE S. SHABET

By: Rose S. Shabet - individually and as an Executive Committee Member of Viking Global Partners LLC, on behalf of

VIKING GLOBAL INVESTORS LP for itself and DRAGSA 14 LLC,
and as an Executive Committee Member of VIKING GLOBAL OPPORTUNITIES GP LLC, on behalf of itself and VIKING GLOBAL OPPORTUNITIES PORTFOLIO GP LLC, VIKING GLOBAL OPPORTUNITIES LIQUID PORTFOLIO SUB-MASTER LP, VIKING GLOBAL OPPORTUNITIES ILLIQUID INVESTMENTS SUB-MASTER LP and VIKING GLOBAL OPPORTUNITIES INTERMEDIATE LP.